


- NOTES:
1. MAIN CONDUIT BOX MAY BE ROTATED IN 90° INCREMENTS
 2. STANDARD PRODUCT USE BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.
 3. KEY DIMENSIONS EQUAL (MOTOR SUPPLIED WITH KEY)
- 0.188" x 0.188" x 1.38"

UNITS: INCHES

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT WITHOUT NOTICE. DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS CERTIFIED.

<p>140TC TEFC ROUND BODY FRAME F1 ASSEMBLY</p>	<p>TOLERANCES</p> <p>.X .1</p> <p>.XX .03</p> <p>.XXX .005</p> <p>.XXXX .0005</p>																	
<p>MDSL245-01</p>	<p>MAXIMUM MOTOR WEIGHT</p> <p>56 lbs.</p> <p>25 kgs.</p>	<table border="1"> <tr> <td>1</td> <td>ADDED KEY DIMENSIONS</td> <td>S. CLANCY</td> <td>08/07/12</td> <td></td> </tr> <tr> <td>0</td> <td>FIRST ISSUE</td> <td>N. MOMIN</td> <td>07/19/11</td> <td></td> </tr> <tr> <td>NO</td> <td>REVISION</td> <td>DRAWN BY</td> <td>DATE</td> <td>CHECK</td> </tr> </table>	1	ADDED KEY DIMENSIONS	S. CLANCY	08/07/12		0	FIRST ISSUE	N. MOMIN	07/19/11		NO	REVISION	DRAWN BY	DATE	CHECK	<p>DRAWN BY: N. MOMIN</p> <p>CHECK BY: _____</p> <p>APPROVED BY: _____</p> <p>www.toshiba.com/ind</p>
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<p>TOSHIBA</p> <p>TOSHIBA INTERNATIONAL CORPORATION</p>																		

TYPICAL MOTOR PERFORMANCE DATA

Model: Y154XSSC44A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.1	4	1750	145TC	575	60	3	2
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	86.5	B	L	40 C

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1.50	1.1	1.9	86.5	72.6
¾ Load	1.13	0.8	1.5	85.6	64.9
½ Load	0.75	0.6	1.2	82.1	52.3
¼ Load	0.38	0.3	1.1	69.3	34.4
No Load			1.0		8.4
Locked Rotor			15.00		68.5

Torque				Rotor wk ² Inertia (lb-ft ²)
Full Load (lb-ft)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
4.5	280	245	425	0.12

Safe Stall Time(s)		Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (lbs)
Cold	Hot		DE	NDE	
35	15	-	6305ZZC3	6305ZZC3	

*Bearings are the only recommended spare part(s).

Motor Options:
Mounting:C-Face Round,Shaft:T Shaft

Customer	
Customer PO	
Sales Order	
Project #	

Tag:

All characteristics are average expected values.

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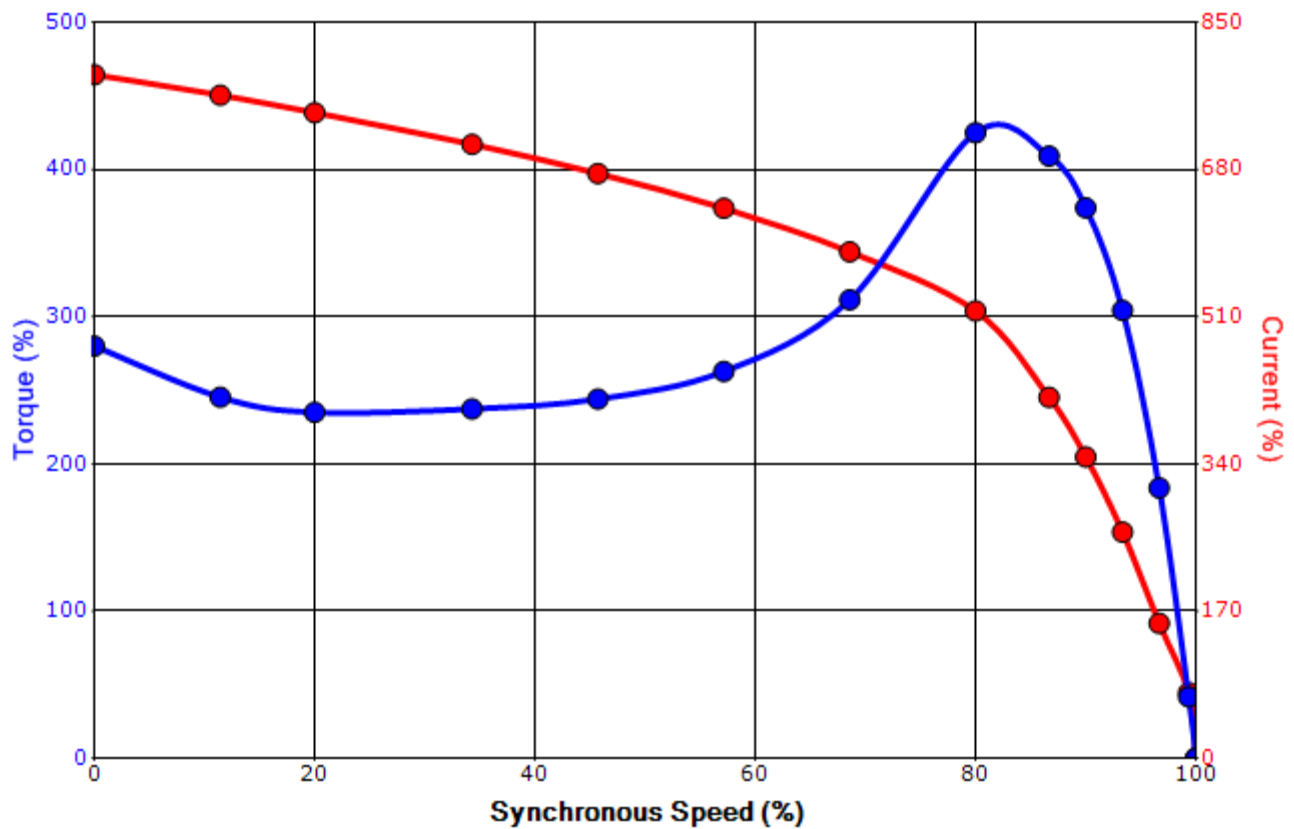
Engineering	mccampbell	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1119 / 0
Engr. Date	2/10/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

SPEED TORQUE/CURRENT CURVE

Model: Y154XSSC44A-P

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.50	1.1	4	1750	145TC	575	60	3	2
Enclosure	IP	Ins. Class	S.F.	Duty	NEMA Nom. Eff.	NEMA Design	kVA Code	Ambient (°C)
TEFC	55	F	1.15	CONT	86.5	B	L	40 C
Locked Rotor Amps	Rotor wk ² Inertia (lb-ft ²)	Torque						Break Down (%)
		Full Load (lb-ft)	Locked Rotor (%)	Pull Up (%)				
15.00	0.12	4.5	280	245			425	

Design Values



Customer		wk ² Load Inertia (lb-ft ²)	-
Customer PO		Load Type	-
Sales Order		Voltage (%)	100
Project #		Accel. Time	-

Tag:

All characteristics are average expected values.

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Engineering	mcampbell	Doc. Written By	D. Suarez	Doc.# / Rev	MPCF-1121 / 0
Engr. Date	2/10/2012	Doc. Approved By	M. Campbell	Doc. Issued	6/8/2011

Motor Connection Diagram 3 Leads - Wye Connection



Switch L1 and L2 to reverse rotation

Each lead may consist of more than one cable.
If multiple cables represent a single lead, each one
of them will be labeled with the appropriate lead number.